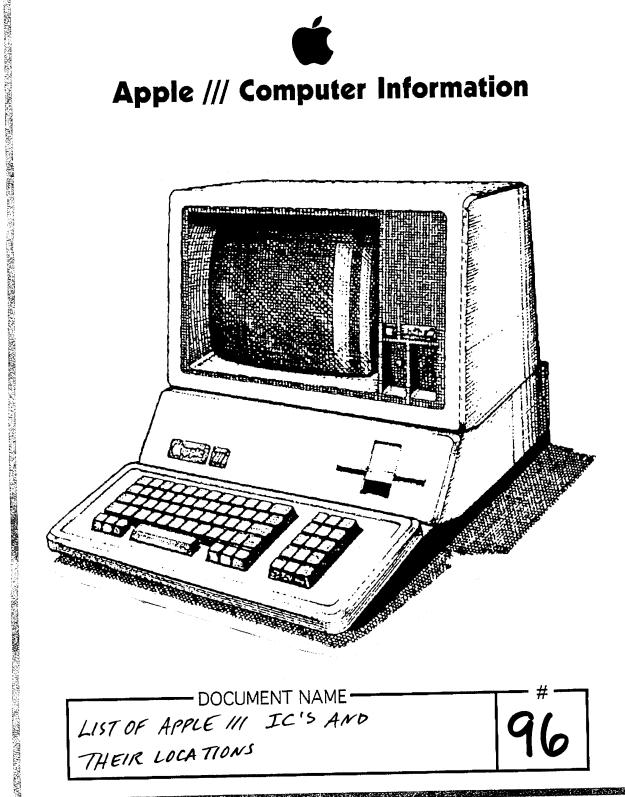
Apple III Computer Information • Doc # 096 •

Apple III Motherboard IC Locations



## Apple /// Computer Information



- DOCUMENT NAME -LIST OF APPLE 111 IC'S AND THEIR LOCATIONS

Ex Libris David T. Craig

"\_56.PICT" 235 KB 2001-08-13 dpi: 300h x 300v pix: 2226h x 2953v

Source: David T. Craig

Page 0001 of 0003



Page 1

## 

Created by: ED GOODING on: 10/29/1988 22:18:02

Apple /// Integrated Circuit (IC) Parts by Location

A05	Logic Board Location		Description	Apple Part #	Jameco Part #
A07	A05	IC.	556 dual timer	330-0556	T.M5.5.6N
A09	A07	TC.	556 dual timer		
10.2	A09	IC,	74LS399, Quad 2 input MUX	306-0399	
10.2	A11	IC.	74S74, Dual D-type flip-flop	308-0074	
B03	В02	IC,			
10, 6522 Versatile Interface Adaptor   338-6522   6522   808   IC, Micro 6502B 3MHZ MPU   369-6502   6502B   809   IC, ROM - Boot and System Monitor   342-0031   Sun   810   IC, 74LS20, dual 4-input NAND   306-0020   74LS20   74LS21   74LS20	в03	TC.	Microprocessor clock chin 58167	331-0167	
10, Micro 6302B SMRZ MEZ MEZ   369-6502   6502B   809   1C, ROM - Boot and System Monitor   342-0031   Sun   1C, 74LS20, dual 4-input NAND   306-0020   74LS20   74LS21   74LS51   1C, 74LS51, NND OR INVERT   306-0027   74LS20   308-0175   74LS51   1C, 74S86, Quad 2-input Exclusive-OR   308-0175   74S175   308-0186   74S86   308-0186   74S86   308-0086   308-0	B05	IC,	6522 Versatile Interface Adaptor	338-6522	
10, Micro 6302B SMRZ MEZ MEZ   369-6502   6502B   809   1C, ROM - Boot and System Monitor   342-0031   Sun   1C, 74LS20, dual 4-input NAND   306-0020   74LS20   74LS21   74LS51   1C, 74LS51, NND OR INVERT   306-0027   74LS20   308-0175   74LS51   1C, 74S86, Quad 2-input Exclusive-OR   308-0175   74S175   308-0186   74S86   308-0186   74S86   308-0086   308-0	В06	IC,	6522 Versatile Interface Adaptor	338-6522	
B09	B08	IC,	Micro 6502B 3MHZ MPU	369-6502	
B10	В09				
B11	B10	IC,	74LS20, dual 4-input NAND		
B12	1	IC,	74LS51, AND OR INVERT	306-0051	
Signature   Sign	1	IC,	74S175, Quad D-type flip flop	308-0175	74S175
C09		IC,	74S86, Quad 2-input Exclusive-OR	308-0086	74886
C10				316-8304	8304
C11 IC, PROM RAS 65, 12 volt memory board 341-0044 Sun IC, PROM RAS 65, 5 volt memory board 342-0065 Sun IC, PROM CAS128, 12 volt memory 342-0065 Sun IC, PROM CAS128, 12 volt memory 341-0042 Sun IC, PROM CAS128, 12 volt memory 341-0042 Sun IC, PROM CAS128, 12 volt memory 341-0063 Sun IC, 748257, Quad data multiplexor 308-0257 748257 D03 IC, 748257, Quad data multiplexor 308-0257 748257 D04 IC, 748257, Quad data multiplexor 308-0257 748257 D05 IC, 74834, Dual D-type flip-flop 308-0074 74874 D06 IC, 74834, Dual D-type flip-flop 308-0074 74874 D07 IC, 748257, Quad data Multiplexor 308-0257 748257 D08 IC, 748257, Quad data Multiplexor 308-0257 748257 D09 IC, 748257, Quad data Multiplexor 308-0257 748257 D09 IC, 748257, Quad data Multiplexor 308-0257 748257 D09 IC, 748395, 4 bit parallel shift reg. 308-0195 748195 D11 IC, 7485195, 4 bit parallel shift reg. 308-0195 748195 D11 IC, 7485195, 4 bit parallel shift reg. 308-0195 748195 D11 IC, 7485195, 4 bit parallel shift reg. 308-0195 748195 D11 IC, 7485195, 4 bit parallel shift reg. 308-0074 748574 D12 IC, 7485195, 4 bit parallel shift reg. 308-0195 748195 D11 IC, 7485195, 4 bit parallel shift reg. 308-0195 748195 D11 IC, 7485195, 4 bit parallel shift reg. 308-0195 748195 D11 IC, 7485195, 4 bit parallel shift reg. 308-0195 748195 D11 IC, 7485195, 4 bit parallel shift reg. 308-0195 748195 D11 IC, 7485195, 4 bit parallel shift reg. 308-0195 748195 D11 IC, 7485195, 4 bit parallel shift reg. 308-0195 748195 D11 IC, 7485195, 4 bit parallel shift reg. 308-0195 748195 D11 IC, 7485195, 4 bit parallel shift reg. 308-0195 748195 D11 IC, 7485195, 4 bit parallel shift reg. 308-0195 748195 D11 IC, 7485195, 4 bit parallel shift reg. 308-0195 748195 D11 IC, 7485195, 4 bit parallel shift reg. 308-0195 7481800 D13 IC, 7485195, 4 bit parallel shift reg. 308-0195 7481800 D13 IC, 7485195, 4 bit parallel shift reg. 308-0195 74818374 D14 IC, 1024 x 4 static RAM 2114 334-0005 2114N D14 IC, 7485195, 4 bit parallel shift reg. 308-0195 7481800 D14 T48510 D14 T48510 D14 T48510 D14 T48510 D14 T48	1				74LS260
IC					
C12 IC, PROM CASS128, 12 volt memory 341-0056 Sun IC, PROM CAS128, 12 volt memory 342-0063 Sun IC, PROM CAS128, 12 volt memory 342-0063 Sun IC, PROM CAS256, 5 volt memory 342-0063 Sun IC, 748257, Quad data multiplexor 308-0257 748257 D03 IC, 748257, Quad data multiplexor 308-0257 748257 D04 IC, 74L886, Quad 2-input Exclusive OR 306-0086 74L886 D05 IC, 74S74, Dual D-type flip-flop 308-0074 74S74 D06 IC, 74S257, Quad data Multiplexor 308-0257 74S257 D07 IC, 74S257, Quad data Multiplexor 308-0257 74S257 D08 IC, 74S257, Quad data Multiplexor 308-0257 74S257 D09 IC, 74L802, Quad 2-input NOR 306-0002 74L802 D10 IC, 74S195, 4 bit parallel shift reg. 308-0195 74S195 D11 IC, 74S74, Dual D-type flip-flop 308-0074 74S74 D12 IC, 74L800, Quad 2-input NAND 306-0000 74L800 D13 IC, 74L8374, Octal D-type flip-flop 306-0374 74L8374 D12 IC, 74L8374, Octal D-type flip-flop 306-0374 74L8374 D13 IC, 74L8374, Octal D-type flip-flop 306-0374 74L8374 D15 IC, 74L8374, Octal D-type flip-flop 306-0374 74L8374 D16 IC, 1024 x 4 static RAM 2114 334-0005 2114N D17 IC, 74L800, Quad 2-input NAND 306-0000 74L800 D16 IC, 74L800, Quad 2-input NAND 306-0000 74L800 D17 IC, 74L800, Quad 2-input NAND 306-0010 74L800 D17 IC, 74L800, Quad 2-input D17 IC, 74L800, D17 IC, 74L800	C11	IC,	PROM RAS 65, 12 volt memory board	341-0044	
C13	C12	TC,	PROM CASPS - 14	342-0061	
D02		IC,	PROM CASISS 12 mails	342-0056	
D02	C13	TC,	PROM CASIZO, 12 VOIT memory	341-0042	
D04	D02	TC,	749257 Ouad data multiplesses	342-0063	
D04		TC,	749257, Quad data multiplexor	308-0257	
D05		TC,	741.586 Quad 2-input Evaluative OP	306-0237	
D06	8	TC.	74874 Dual Detype flineflon		
D07		IC.	74LS244. Octal buffers/drivers		
D08					
D09	D08		m		
D12	D09	IC,	74LS02, Quad 2-input NOR	306-0002	
D12	D10	IC,	74S195, 4 bit parallel shift req.	308-0195	
D13	1	IC,	74S74, Dual D-type flip-flop	308-0074	
D13		IC,	74LS00, Quad 2-input NAND	306-0000	74LS00
E03 IC, 74LS374, Octal D-type flip-flop 306-0374 74LS374 E04 IC, 1024 x 4 static RAM 2114 334-0005 2114N E05 IC, 1024 x 4 static RAM 2114 334-0005 2114N E07 IC, 74LS00, Quad 2-input NAND 306-0000 74LS00 E08 IC, 74LS08, Quad 2-input AND 306-0000 74LS08 E09 IC, 74S10, Triple 3-input NAND 306-0010 74S10 E10 IC, 74S86, Quad 2-input Exclusive-OR 308-0086 74S86 E11 IC, 74LS283, 4 bit binary adder 306-0283 74LS283 E12 IC, 74S153, Dual 4 to 1 line/data MUX 308-0153 74S153 E13 IC, 74S153, Dual 4 to 1 line/data MUX 308-0153 74S153 F02 IC, 74LS374, Octal D-type flip-flop 306-0374 74LS374 F03 IC, 74LS374, Octal D-type flip-flop 306-0374 74LS374 F04 IC, 74166, 8 bit shift register 302-0166 74166 F05 IC, IC PROM 1024 x 4 342-0045 Sun F07 IC, PROM 1024 x 4 342-0046 Sun F08 IC, 74LS161 sync binary 4 bit counter 306-0161 74LS161 F10 IC, 74LS161 sync binary 4 bit counter 306-0161 74LS161	1	IC,	74LS374, Octal D-type flip-flop	306-0374	74LS374
E07 IC, 74LS00, Quad 2-input NAND 306-0000 74LS00 E08 IC, 74LS08, Quad 2-input NAND 306-0000 74LS08 E09 IC, 74S10, Triple 3-input NAND 306-0010 74S10 E10 IC, 74S86, Quad 2-input Exclusive-OR 308-0086 74S86 E11 IC, 74LS283, 4 bit binary adder 306-0283 74LS283 E12 IC, 74S153, Dual 4 to 1 line/data MUX 308-0153 74S153 E13 IC, 74S153, Dual 4 to 1 line/data MUX 308-0153 74S153 F02 IC, 74LS374, Octal D-type flip-flop 306-0374 74LS374 F03 IC, 74LS374, Octal D-type flip-flop 306-0374 74LS374 F04 IC, 74166, 8 bit shift register 302-0166 74166 F05 IC, IC PROM 1024 x 4 342-0045 Sun F07 IC, PROM 1024 x 4 342-0046 Sun F08 IC, 74LS08, Quad 2-input AND 306-0008 74LS08 F09 IC, PROM 1024 x 4 342-0055 Sun F10 IC, 74LS161 sync binary 4 bit counter 306-0161 74LS161 F11 IC, 74LS161 sync binary 4 bit counter 306-0161 74LS161		IC,	74LS374, Octal D-type flip-flop	306-0374	74LS374
E07 IC, 74LS00, Quad 2-input NAND 306-0000 74LS00 E08 IC, 74LS08, Quad 2-input NAND 306-0000 74LS08 E09 IC, 74S10, Triple 3-input NAND 306-0010 74S10 E10 IC, 74S86, Quad 2-input Exclusive-OR 308-0086 74S86 E11 IC, 74LS283, 4 bit binary adder 306-0283 74LS283 E12 IC, 74S153, Dual 4 to 1 line/data MUX 308-0153 74S153 E13 IC, 74S153, Dual 4 to 1 line/data MUX 308-0153 74S153 F02 IC, 74LS374, Octal D-type flip-flop 306-0374 74LS374 F03 IC, 74LS374, Octal D-type flip-flop 306-0374 74LS374 F04 IC, 74166, 8 bit shift register 302-0166 74166 F05 IC, IC PROM 1024 x 4 342-0045 Sun F07 IC, PROM 1024 x 4 342-0046 Sun F08 IC, 74LS08, Quad 2-input AND 306-0008 74LS08 F09 IC, PROM 1024 x 4 342-0055 Sun F10 IC, 74LS161 sync binary 4 bit counter 306-0161 74LS161 F11 IC, 74LS161 sync binary 4 bit counter 306-0161 74LS161		IC,	/4LS3/4, Octal D-type flip-flop	306-0374	74LS374
E07 IC, 74LS00, Quad 2-input NAND 306-0000 74LS00 E08 IC, 74LS08, Quad 2-input NAND 306-0000 74LS08 E09 IC, 74S10, Triple 3-input NAND 306-0010 74S10 E10 IC, 74S86, Quad 2-input Exclusive-OR 308-0086 74S86 E11 IC, 74LS283, 4 bit binary adder 306-0283 74LS283 E12 IC, 74S153, Dual 4 to 1 line/data MUX 308-0153 74S153 E13 IC, 74S153, Dual 4 to 1 line/data MUX 308-0153 74S153 F02 IC, 74LS374, Octal D-type flip-flop 306-0374 74LS374 F03 IC, 74LS374, Octal D-type flip-flop 306-0374 74LS374 F04 IC, 74166, 8 bit shift register 302-0166 74166 F05 IC, IC PROM 1024 x 4 342-0045 Sun F07 IC, PROM 1024 x 4 342-0046 Sun F08 IC, 74LS08, Quad 2-input AND 306-0008 74LS08 F09 IC, PROM 1024 x 4 342-0055 Sun F10 IC, 74LS161 sync binary 4 bit counter 306-0161 74LS161 F11 IC, 74LS161 sync binary 4 bit counter 306-0161 74LS161		IC,	1024 x 4 static RAM 2114	334-0005	
E08 IC, 74LS08, Quad 2-input AND 306-0008 74LS08 E09 IC, 74S10, Triple 3-input NAND 306-0010 74S10 E10 IC, 74S86, Quad 2-input Exclusive-OR 308-0086 74S86 E11 IC, 74LS283, 4 bit binary adder 306-0283 74LS283 E12 IC, 74S153, Dual 4 to 1 line/data MUX 308-0153 74S153 E13 IC, 74S153, Dual 4 to 1 line/data MUX 308-0153 74S153 F02 IC, 74LS374, Octal D-type flip-flop 306-0374 74LS374 F03 IC, 74LS374, Octal D-type flip-flop 306-0374 74LS374 F04 IC, 74166, 8 bit shift register 302-0166 74166 F05 IC, IC PROM 1024 x 4 342-0045 Sun F08 IC, PROM 1024 x 4 342-0046 Sun F08 IC, 74LS36, Quad 2-input AND 306-0008 74LS08 F09 IC, PROM 1024 x 4 342-0055 Sun F10 IC, 74LS161 sync binary 4 bit counter 306-0161 74LS161		10,	741000 Ourd 2 'are t NAME	334-0005	
E11 IC, 74LS283, 4 bit binary adder 306-0283 74LS283 E12 IC, 74S153, Dual 4 to 1 line/data MUX 308-0153 74S153 E13 IC, 74S153, Dual 4 to 1 line/data MUX 308-0153 74S153 F02 IC, 74LS374, Octal D-type flip-flop 306-0374 74LS374 F03 IC, 74LS374, Octal D-type flip-flop 306-0374 74LS374 F04 IC, 74166, 8 bit shift register 302-0166 74166 F05 IC, IC PROM 1024 x 4 342-0045 Sun F07 IC, PROM 1024 x 4 342-0046 Sun F08 IC, 74LS08, Quad 2-input AND 306-0008 74LS08 F09 IC, PROM 1024 x 4 342-0055 Sun F10 IC, 74LS161 sync binary 4 bit counter 306-0161 74LS161 F11 IC, 74LS161 sync binary 4 bit counter 306-0161 74LS161		IC,	74LS00, Quad 2-input NAND	306-0000	
E11 IC, 74LS283, 4 bit binary adder 306-0283 74LS283 E12 IC, 74S153, Dual 4 to 1 line/data MUX 308-0153 74S153 E13 IC, 74S153, Dual 4 to 1 line/data MUX 308-0153 74S153 F02 IC, 74LS374, Octal D-type flip-flop 306-0374 74LS374 F03 IC, 74LS374, Octal D-type flip-flop 306-0374 74LS374 F04 IC, 74166, 8 bit shift register 302-0166 74166 F05 IC, IC PROM 1024 x 4 342-0045 Sun F07 IC, PROM 1024 x 4 342-0046 Sun F08 IC, 74LS08, Quad 2-input AND 306-0008 74LS08 F09 IC, PROM 1024 x 4 342-0055 Sun F10 IC, 74LS161 sync binary 4 bit counter 306-0161 74LS161 F11 IC, 74LS161 sync binary 4 bit counter 306-0161 74LS161		TC,	74910 Triple 3-issue MAND	306-0008	
E11 IC, 74LS283, 4 bit binary adder 306-0283 74LS283 E12 IC, 74S153, Dual 4 to 1 line/data MUX 308-0153 74S153 E13 IC, 74S153, Dual 4 to 1 line/data MUX 308-0153 74S153 F02 IC, 74LS374, Octal D-type flip-flop 306-0374 74LS374 F03 IC, 74LS374, Octal D-type flip-flop 306-0374 74LS374 F04 IC, 74166, 8 bit shift register 302-0166 74166 F05 IC, IC PROM 1024 x 4 342-0045 Sun F07 IC, PROM 1024 x 4 342-0046 Sun F08 IC, 74LS08, Quad 2-input AND 306-0008 74LS08 F09 IC, PROM 1024 x 4 342-0055 Sun F10 IC, 74LS161 sync binary 4 bit counter 306-0161 74LS161 F11 IC, 74LS161 sync binary 4 bit counter 306-0161 74LS161		TC,	74986 Quad 2-input Evalueing-OP	200-0006	
E12 IC, 74S153, Dual 4 to 1 line/data MUX 308-0153 74S153 E13 IC, 74S153, Dual 4 to 1 line/data MUX 308-0153 74S153 F02 IC, 74LS374, Octal D-type flip-flop 306-0374 74LS374 F03 IC, 74LS374, Octal D-type flip-flop 306-0374 74LS374 F04 IC, 74166, 8 bit shift register 302-0166 74166 F05 IC, IC PROM 1024 x 4 342-0045 Sun F07 IC, PROM 1024 x 4 342-0046 Sun F08 IC, 74LS08, Quad 2-input AND 306-0008 74LS08 F09 IC, PROM 1024 x 4 342-0055 Sun F10 IC, 74LS161 sync binary 4 bit counter 306-0161 74LS161 F11 IC, 74LS161 sync binary 4 bit counter 306-0161 74LS161		IC.	74LS283. 4 bit binary adder	306-0000	
E13 IC, 74S153, Dual 4 to 1 line/data MUX 308-0153 74S153 F02 IC, 74LS374, Octal D-type flip-flop 306-0374 74LS374 F03 IC, 74LS374, Octal D-type flip-flop 306-0374 74LS374 F04 IC, 74166, 8 bit shift register 302-0166 74166 F05 IC, IC PROM 1024 x 4 342-0045 Sun F07 IC, PROM 1024 x 4 342-0046 Sun F08 IC, 74LS08, Quad 2-input AND 306-0008 74LS08 F09 IC, PROM 1024 x 4 342-0055 Sun F10 IC, 74LS161 sync binary 4 bit counter 306-0161 74LS161 F11 IC, 74LS161 sync binary 4 bit counter 306-0161 74LS161		IC.	74S153. Dual 4 to 1 line/data MUV		
F02 IC, 74LS374, Octal D-type flip-flop 306-0374 74LS374 F03 IC, 74LS374, Octal D-type flip-flop 306-0374 74LS374 F04 IC, 74166, 8 bit shift register 302-0166 74166 F05 IC, IC PROM 1024 x 4 342-0045 Sun F07 IC, PROM 1024 x 4 342-0046 Sun F08 IC, 74LS08, Quad 2-input AND 306-0008 74LS08 F09 IC, PROM 1024 x 4 342-0055 Sun F10 IC, 74LS161 sync binary 4 bit counter 306-0161 74LS161 F11 IC, 74LS161 sync binary 4 bit counter 306-0161 74LS161		IC.	74S153. Dual 4 to 1 line/data MUV		
F03 IC, 74LS374, Octal D-type flip-flop 306-0374 74LS374 F04 IC, 74166, 8 bit shift register 302-0166 74166 F05 IC, IC PROM 1024 x 4 342-0045 Sun F08 IC, PROM 1024 x 4 342-0046 Sun F08 IC, 74LS08, Quad 2-input AND 306-0008 74LS08 F09 IC, PROM 1024 x 4 342-0055 Sun F10 IC, 74LS161 sync binary 4 bit counter 306-0161 74LS161 F11 IC, 74LS161 sync binary 4 bit counter 306-0161 74LS161		IC.	74LS374, Octal D-type flip-flop		
F04 IC, 74166, 8 bit shift register 302-0166 74166 F05 IC, IC PROM 1024 x 4 342-0045 Sun F07 IC, PROM 1024 x 4 342-0046 Sun F08 IC, 74LS08, Quad 2-input AND 306-0008 74LS08 F09 IC, PROM 1024 x 4 342-0055 Sun F10 IC, 74LS161 sync binary 4 bit counter 306-0161 74LS161 F11 IC, 74LS161 sync binary 4 bit counter 306-0161 74LS161		IC,	74LS374, Octal D-type flip-flop		
F05 IC, IC PROM 1024 x 4 342-0045 Sun F07 IC, PROM 1024 x 4 342-0046 Sun F08 IC, 74LS08, Quad 2-input AND 306-0008 74LS08 F09 IC, PROM 1024 x 4 342-0055 Sun F10 IC, 74LS161 sync binary 4 bit counter 306-0161 74LS161 F11 IC, 74LS161 sync binary 4 bit counter 306-0161 74LS161		IC,	74166, 8 bit shift register		
F07 IC, PROM 1024 x 4 342-0046 Sun F08 IC, 74LS08, Quad 2-input AND 306-0008 74LS08 F09 IC, PROM 1024 x 4 342-0055 Sun F10 IC, 74LS161 sync binary 4 bit counter 306-0161 74LS161 F11 IC, 74LS161 sync binary 4 bit counter 306-0161 74LS161	F05				
F08 IC, 74LS08, Quad 2-input AND 306-0008 74LS08 F09 IC, PROM 1024 x 4 342-0055 Sun F10 IC, 74LS161 sync binary 4 bit counter 306-0161 74LS161 F11 IC, 74LS161 sync binary 4 bit counter 306-0161 74LS161		IC,	PROM 1024 x 4		
F09 IC, PROM 1024 x 4 342-0055 Sun F10 IC, 74LS161 sync binary 4 bit counter 306-0161 74LS161 F11 IC, 74LS161 sync binary 4 bit counter 306-0161 74LS161		IC,	74LS08, Quad 2-input AND		
F10 IC, 74LS161 sync binary 4 bit counter 306-0161 74LS161 F11 IC, 74LS161 sync binary 4 bit counter 306-0161 74LS161		IC,	PROM 1024 x 4		
F11 IC, 74LS161 sync binary 4 bit counter 306-0161 74LS161		IC,	74LS161 sync binary 4 bit counter	306-0161	
[P] TO 740150 June 1 4 to 1 12 to 2 to 2000 0450 The control of th		IC,	74LS161 sync binary 4 bit counter	306-0161	
	F12		74S153, dual 4 to 1 line/data MUX	308-0153	74S153
F13 IC, 74S153, dual 4 to 1 multiplexor 306-0153 74S153		IC,	74S153, dual 4 to 1 multiplexor		
G02 IC, 74LS374, Octal D-type flip-flop 308-0374 74LS374 G03 IC, 74LS157, Ouad 2 to 1 data MUX 306-0157 74LS157		IC,	/4LS3/4, Octal D-type flip-flop		
G03 IC, 74LS157, Quad 2 to 1 data MUX 306-0157 74LS157	(303	IC,	/41513/, Quad Z to 1 data MUX	306-0157	/4LS157

"\_57.PICT" 286 KB 2001-08-13 dpi: 300h x 300v pix: 2302h x 3155v

Source: David T. Craig

Page 0002 of 0003

8/29/89 2:53 PM		Disk # 3:apple.MACHINE ICS.TEXT				
<del>3</del> 05	IC,	ROM - Video Control	342-0032	Sun		
307		74LS133, 13 input NAND	306-0133	74LS133		
808		74LS139, 2 to 4 line decoders		74LS139		
09	IC.	ROM - SynchROM	342-0030	Sun		
10		74LS374, Octal D-type flip-fl		74LS374		
11	TC.	74LS161 sync binary 4 bit cou	nter 306-0161	74LS161		
12	TC,	74LS161 sync binary 4 bit cou	nter 306-0161	74LS161		
02	IC,	74LS00, Quad 2-input NAND	306-0101			
03		7415300, Quad 2-input NAND	306-0000 306-0399	74LS00		
		74LS399, Quad 2-input MUX	306-0399	74LS399		
04	10,	/4DSSI, AND OR INVELL	200-0021	74LS51		
06	10,	9334, tested and burn-in 74LS74, Dual D flip-flops 74LS04, hex inverters	302-9334	9334		
07	10,	74LS74, Dual D flip-flops	306-0074	74LS74		
0.8				74LS04		
09		74LS05, Open col hex inverter		74LS05		
10		74LS132, quad 2-input NAND Sc	h Trig 306-0132	74LS132		
11	IC,	74LS74, Dual D flip-flops	306-0074	74LS74		
12	IC,	74LS257, Quad data MUX	306-0257	74LS257		
14	IC,	ROM - Keyboard encoder A3	306-0074 306-0257 342-0035 360-1488	Sun		
02	IC,	1488 Quad line driver (RS232) 74LS151, 1 of 8 data MUX	360-1488	LM1488N		
)3	IC,	74LS151, 1 of 8 data MUX	308-0151	74LS151		
) 4	IC,	74LS21, Dual 4-input AND	306-0021	74LS21		
) 6	IC.	74LS138, 3 to 8 line decoders	306-0138	74LS138		
07	IC.	/4LSISS, IS INDUE NAND	306-0133	74LS133		
	12. Quad	2 input OR 306-00	32 74LS32			
09		74LS125, Quad tri-state buffe	rs 306-0125	74LS125		
10		74LS126, Quad tri-state buffe		74LS126		
11		74LS139, 2 to 4 line decoders		74LS120		
12		74LS257, Quad data MUX	306-0159	74LS257		
:02						
		1489 line receiver (RS232)	360-1489	LM1489N		
:04		74LS138, 3 to 8 line decoder		74LS138		
107	10,	74LS138, 3 to 8 line decoder	306-0138	74LS138		
	IC,	74LS374, Octal D-type flip fl	op 306-0374	74LS374		
108	IC,	/4LS11, triple 3 input AND	306-0011	74LS11		
09		74LS04, Hex inverters	306-0004	74LS04		
10	IC,	74LS323, 8 bit bidirect shift	reg. 306-0323	74LS323		
11	IC,	PROM, State Machine P6A	342-0028	Sun		
12	IC,	74LS174, Hex D-type flip-flop	306-0174	74LS174		
13	Res	istor array, 47 ohms	112-0102	R47		
07	IC,	74LS251, Data multiplexor	306-0251	74LS251		
8 (		74S153, Dual 4 to 1 line MUX	308-0153	74S153		
LO	IC.	556 Dual Timer	330-0556	LM556N		
12		9334	302-9334	9334		
13				9334		
9	TC,	9334 9708, 6 channel 8 bit A/D LM380 Audio Power Amplifier istor array, 47 ohms	356-9708	Sun?		
1	TC,	IM380 Audio Power Amplifica	351-0380	LM380N		
13	PO.	ietor array 17 obmo	112-0102	R47		
	Res	istor array, 47 Ohms	112 0102			
03		,		R47		
10		istor array, 47 ohms	112-0102	R47		
13	Res	istor array, 47 ohms	112-0102	R47		
	ectroni		arketing			
	eway Ro					
	CA 940		UT 84321			
415) 592	2-8097	(800) 8	21-3221 (orders or	nly)		
		(801) 7	52-7631 (questions	s/service)		
*****		******		*****		
		of Apple /// IC's and their l				
		**********	*******	*********		

"\_58.PICT" 246 KB 2001-08-13 dpi: 300h x 300v pix: 2308h x 3089v